

Date: Sun, 18 Sep 94 04:30:16 PDT  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Space Digest V94 #262  
To: Ham-Space

Ham-Space Digest                      Sun, 18 Sep 94                      Volume 94 : Issue    262

Today's Topics:

        ARLK040 Keplerian data  
        ARLS030 SAREX Packet QRV  
        SAREX Anntena Help?  
        SAREX Keps 9/17 at 21:30 UTC  
        Testing this poster

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Sat, 17 Sep 1994 16:33:05 EDT  
From: psinntp!arrl.org!usenet@uunet.uu.net  
Subject: ARLK040 Keplerian data  
To: ham-space@ucsd.edu

SB KEP @ ARL \$ARLK040  
ARLK040 Keplerian data

ZCZC SK08  
QST de W1AW  
Keplerian Bulletin 40    ARLK040

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Date: Sat, 17 Sep 1994 21:19:04 EDT  
From: psinntp!arrl.org!usenet@uunet.uu.net  
Subject: ARLS030 SAREX Packet QRV  
To: ham-space@ucsd.edu

SB SPACE @ ARL \$ARLS030  
ARLS030 SAREX Packet QRV

ZCZC AS74  
QST de W1AW  
Space Bulletin 030 ARLS030

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Date: Wed, 14 Sep 1994 11:07:17 GMT  
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!usc!cs.utexas.edu!swrinde!  
pipex!demon!betanews.demon.net!news@network.ucsd.edu  
Subject: SAREX Antenna Help?  
To: ham-space@ucsd.edu

In article <dougfree-1309941230330001@dal03.onramp.net>, Doug Freeman  
writes:

>  
>  
> After using MacSPOC to figure out when STS-64 was coming over  
Dallas To much delight I was Just able to here some transmissions last  
Sunday. I was using a home made JPole. What is the best antenna  
configuration for SAREX? Please feel free to EMail.  
> 73s  
> Doug  
> -----  
>  
> Doug Freeman  
> 5952 Joyce Way  
> Dallas, TX 75225  
> (214) 750-6822  
> dougfree@onramp.net  
> KC5ION

Hello Doug,

The simplest ant I have used to work the shuttle has been a pair of  
crossed dipoles. It's is as the name would suggest just two halfwave  
dipoles laid out horizontally and at right angles to each other, so  
they form a "X" if you like and phased with a 1/4 wave matching stub.  
You should be able to buy one quite easily from a good ham shop or if  
you like I'd be more than happy to mail you with the details of how to  
build one.

Question for you if I may, where can I get a copy of MacSPOC ?

Kind regards,

Sean.

-----  
Date: Sat, 17 Sep 1994 17:53:58 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!library.ucla.edu!news.mic.ucla.edu!  
unixg.ubc.ca!quartz.ucs.ualberta.ca!alberta!ve6mgs!usenet@network.ucsd.edu  
Subject: SAREX Keps 9/17 at 21:30 UTC  
To: ham-space@ucsd.edu

SB SAREX @ AMSAT \$STS-64.023  
SAREX Keps 9/17 21:30 UTC

Silver Spring, MD September 17, 1994 at 21:30 UTC

The following represents the latest Keplerian Elements as generated by  
Ron Parise, WA4SIR, at the Goddard Space Flight Center and modified  
to improve the drag term by Gil Carman, WA5NOM, at the Johnson Space Center.

STS-64  
1 23251U 94059A 94260.27204451 0.00095812 10877-4 11525-3 0 301  
2 23251 57.0074 189.9783 0009419 284.3462 75.6578 16.12282233 1194

Satellite: STS-64  
Catalog number: 23251  
Epoch time: 94260.27204451 (17 SEP 94 06:31:44.65 UTC)  
Element set: GSFC-30a  
Inclination: 57.0074 deg  
RA of node: 189.9783 deg Space Shuttle Flight STS-64  
Eccentricity: 0.0009419 Keplerian Elements  
Arg of perigee: 284.3462 deg  
Mean anomaly: 75.6578 deg  
Mean motion: 16.12282233 rev/day Semi-major Axis: 6618.7222 Km  
Decay rate: 9.5812E-04 rev/day\*2 Apogee Alt: 246.57 Km  
Epoch rev: 119 Perigee Alt: 234.10 Km  
Checksum: 305

NOTE - This element set is based on NORAD element set # 030.  
The spacecraft has been propagated to the next ascending  
node, and the orbit number has been adjusted to bring it  
into agreement with the NASA numbering convention.

Submitted by Frank H. Bauer, KA3HDO, for the SAREX Working Group

/EX

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Date: Fri, 16 Sep 1994 14:10:16  
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-state.edu!uwm.edu!  
src.honeywell.com!The-Star.honeywell.com!bmw.hwcae.az.Honeywell.COM!  
saifr00.ateng.az.honeywell.com!@@ihnp4.ucsd.edu  
Subject: Testing this poster  
To: ham-space@ucsd.edu

testing 1-2-3 testing  
John Hodgson  
jhodgson@p03.az75.honeywell.com  
Honeywell, Air Transport Systems Division  
Phoenix, Arizona -but it's a dry heat

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Date: Sat, 17 Sep 1994 13:30:54 GMT  
From: ihnp4.ucsd.edu!newshub.nosc.mil!crash!telesoft!garym@network.ucsd.edu  
To: ham-space@ucsd.edu

References <STS-64.94253.615@alsys.com>, <STS-64.94259.031@alsys.com>,  
<STS-64.94259.279@alsys.com>  
Reply-To : elements-request@alsys.com  
Subject : STS-64 Element Set (94260.272)

STS-64  
1 23251U 94059A 94260.27204451 +.00095812 10877-4 11525-3 0 301  
2 23251 57.0074 189.9783 0009419 284.3462 75.6578 16.12282233 1194

Satellite: STS-64  
Catalog number: 23251  
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Decay rate: 9.5812E-04 rev/day\*2 Apogee Alt: 246.57 Km  
Epoch rev: 119 Perigee Alt: 234.10 Km

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Gary Morris Internet: garym@alsys.com (garym@cts.com)

Alsys Inc.  
San Diego, CA, USA

Packet: KK6YB @ N0ARY.#NOCAL.CA.USA.NA  
Phone: +1 619-457-2700 x128 (voice/fax)

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Date: (null)  
From: (null)

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Date: (null)  
From: (null)

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End of Ham-Space Digest V94 #262  
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